**Name: Abu Bakar Rasheed**

**Roll no: l1f23bsse0371**

**Nested queries and joins**

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**Q:1**

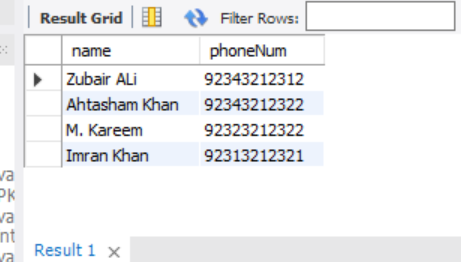
select name, phoneNum

from customer AS c

inner join

loanaccounts AS l

on c.customer\_id=l.customer\_id where current\_credit > 15000;



**Q:2**

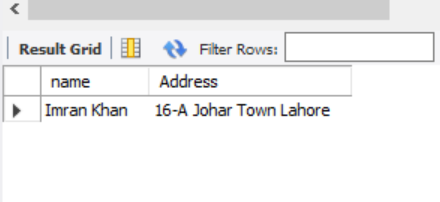
select name, Address

from customer

where customer\_id in

(select customer\_id from loanaccounts

where name="Imran Khan");



**Q:3**

select c.name, c.phoneNum, la.current\_credit

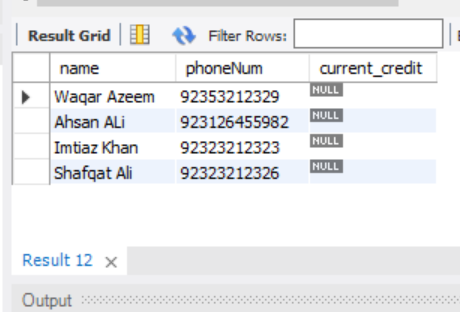
from customer c

left join

loanaccounts la on c.customer\_id = la.customer\_id

where

la.current\_credit is null;



**Q:4**

select c.\* from customer c

where c.customer\_id in (

select la.customer\_id

from loanaccounts la

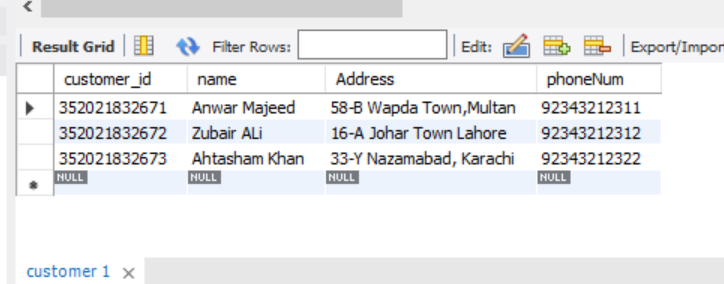
)

and c.customer\_id not in (

select sa.customer\_id

from savingaccounts sa

);



**Q:5**

select t.\*,c.name AS customer\_name, e.name AS salesman\_name

from transaction t

join

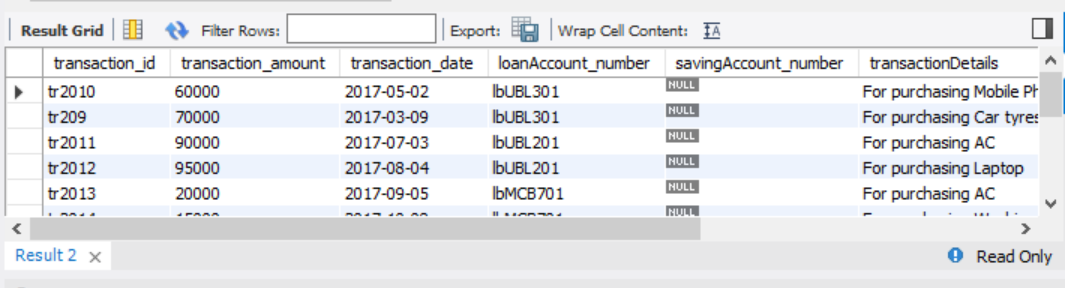
loanaccounts la on t.loanAccount\_number = la.Account\_number

join

customer c on la.customer\_id = c.customer\_id

join

employee e on t.eid = e.eid;



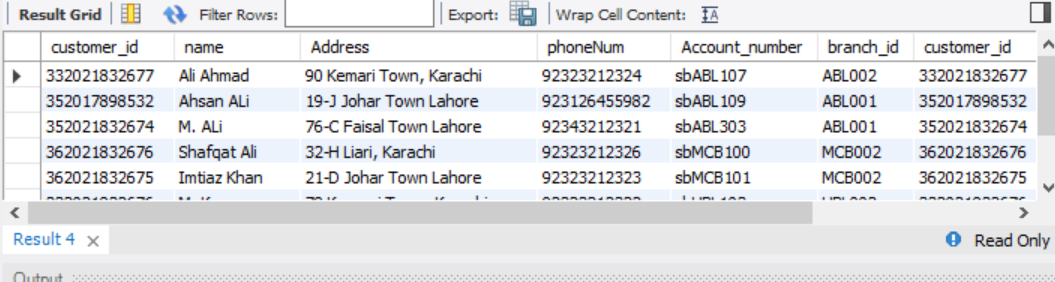
**Q:6**

select c.\*, sa.\*, branch\_id

from customer c

join savingaccounts sa On c.customer\_id = sa.customer\_id

where c.customer\_id in(select sa.customer\_id from savingaccounts sa);



**Q:7**

select

c.name AS customer\_name,

c.Address AS customer\_address,

b.branch\_address AS branch\_address,

bk.bank\_name AS bank\_name

from customer c

join

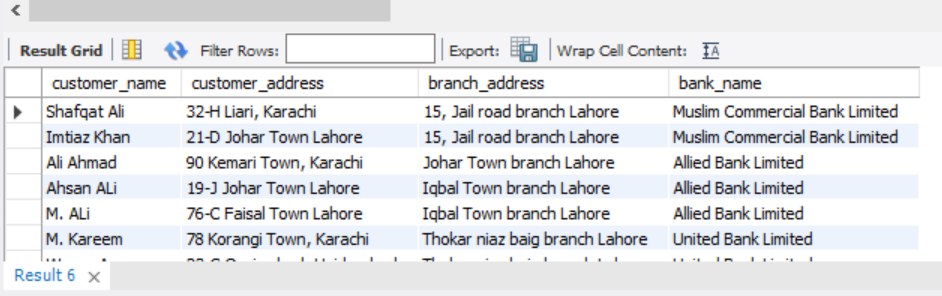
savingaccounts sa on c.customer\_id = sa.customer\_id

join

branch b on sa.branch\_id = b.branch\_id

join

bank bk on b.bank\_id = bk.bank\_id;



**Q:8**

select b.branch\_id, b.branch\_address

from branch b

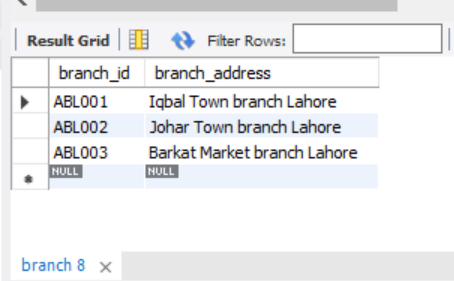
where b.bank\_id in (

select bk.bank\_id

from bank bk

where bk.bank\_name = 'Allied Bank Limited'

);



**Q:9**

select

e.name AS employee\_name,

e.designation,

b.branch\_address,

bk.bank\_name

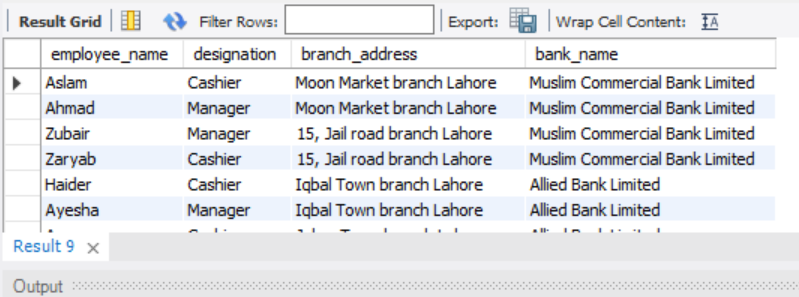
from employee e

right join

branch b on e.branch\_id = b.branch\_id

right join

bank bk on b.bank\_id = bk.bank\_id;



**Q:10**

select distinct b.branch\_id

from branch b

where b.branch\_id in (

select la.branch\_id

from loanaccounts la

) and b.branch\_id in (

select sa.branch\_id

from savingaccounts sa

);

